

## Datasheet: AHP946F

**BATCH NUMBER 162388**

<b>Description:</b>	GOAT ANTI DOG IgE:FITC
<b>Specificity:</b>	IgE
<b>Format:</b>	FITC
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.5 mg

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/500
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

#### Target Species

Dog

#### Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

#### Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

#### Antiserum Preparation

Antisera to canine IgE were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography.

#### Buffer Solution

Phosphate buffered saline

#### Preservative

<0.1% Sodium Azide (NaN<sub>3</sub>)

#### Stabilisers

0.2% Bovine Serum Albumin

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Native canine IgE.
<b>RRID</b>	AB_567016
<b>Specificity</b>	<p><b>Goat anti Dog IgE antibody</b> recognises canine IgE. The antibody has been shown to react specifically with canine IgE by immunoelectrophoresis and ELISA. Less than 0.01% cross reactivity was detected to canine IgG1, IgG2, IgA and IgM. Goat anti Dog IgE may cross react with IgE from other species.</p> <p>Goat anti Dog IgE antibody has been reported for use in immunohistology of frozen canine sections.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Krachudel, J. <i>et al.</i> (2013) Luteal insufficiency in bitches as a consequence of an autoimmune response against progesterone? <a href="#">Theriogenology. 79: 1278-83</a></li> <li>2. Elders, R.C. <i>et al.</i> (2014) Recombinant canine IgE Fc and an IgE Fc-TRAIL fusion protein bind to neoplastic canine mast cells. <a href="#">Vet Immunol Immunopathol. 159: 29-40.</a></li> <li>3. Couto N <i>et al.</i> (2016) Identification of vaccine candidate antigens of Staphylococcus pseudintermedius by whole proteome characterization and serological proteomic analyses. <a href="#">J Proteomics. 133: 113-24.</a></li> <li>4. Elders, R.C. <i>et al.</i> (2014) Recombinant canine IgE Fc and an IgE Fc-TRAIL fusion protein bind to neoplastic canine mast cells. <a href="#">Vet Immunol Immunopathol. 159 (1-2): 29-40.</a></li> <li>5. Moya, R.<i>et al.</i> (2016) Immunoproteomic characterization of a Dermatophagoides farinae extract used in the treatment of canine atopic dermatitis <a href="#">Vet Immunol and Immunopathol. Aug 4 [Epub ahead of print]</a></li> <li>6. Wyszomolek, M.E. <i>et al.</i> (2022) Canine antibody response against <i>Dirofilaria repens</i>. in natural occult and microfilaremic infections <a href="#">Comp Immunol Microbiol Infect Dis. 2 May: 101818 [Epub ahead of print].</a></li> <li>7. Bizikova, P. <i>et al.</i> (2014) Serum autoantibody profiles of IgA, IgE and IgM in canine pemphigus foliaceus. <a href="#">Vet Dermatol. 25 (5): 471-e75.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP946F">https://www.bio-rad-antibodies.com/SDS/AHP946F</a></p> <p>10041</p>
<b>Regulatory</b>	For research purposes only

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